

EFSI Split system heat pumps Floor installation with capacities from 2.5 to 5 kW with Inverter and Plasmacluster filter

R410A



HEATING OPERATION WITH
OUTSIDE TEMPERATURE
DOWN TO -15°C



Energy efficiency

See the technical
data table



Plasmacluster

PLASMACLUSTER ionising filter

Plasmacluster is capable of reducing the level of pollutants, by decomposing the molecules that form them.

Using a series of electric shocks, "Plasmacluster" causes the water molecules present in the air to separate into positive and negative ions. These ions neutralise the gas pollutant molecules, forming products that are normally present in clean air.

The result is in the air: you can finally breath clean, odour-free ionised air.

Features

- With R410A refrigerant gas
- Available in 3 versions of different capacities
- Vertical, free-standing installation
- Elegant design and compact size
- Plasmacluster air purifier
- Inverter technology for large power savings and optimised room comfort conditions
- Following ignition, the required temperature is reached in 2/3 of the time taken by an air conditioning system without Inverter
- High heating capacity - cooling capacity ratio, thanks to the Inverter
- Variable speed rotary compressor
- Double delivery, with air outlet fins in both the lower and upper parts, for better air distribution and to minimise temperature differences at different heights
- Air distribution differentiated between cooling and heating mode, to obtain the maximum comfort
- Microprocessor control
- Infrared remote control with liquid crystal screen for controlling all the functions
- Timer for programming on/off times
- Operation modes: Cooling, Heating, Dehumidification and Automatic
- Auto-restart
- Self-diagnostics function
- Particularly quiet operation
- Regenerable air filter
- Refrigerant lines with flared ends
- Ease of installation and maintenance
- **Condensation control device for cooling mode with outside temperatures down to -10°C**
- **Heating mode with outside temperatures down to -15°C**

Technical data

		EFSI 090 H CFSI 090 H	EFSI 120 H CFSI 120 H	EFSI 180 H CWI 181 H
Cooling capacity	W (nominal)	2500	3500	5000
	W (min - max)	900 - 3000	900 - 4000	900 - 5700
Energy Efficiency		A	A	B
EER *		4,07	3,26	3,01
Total input power	W (nominal)	615	1075	1660
	W (min - max)	200 - 890	230 - 1320	260 - 2190
Total input current	A (nominal)	2,9	5,0	7,4
	A (min - max)	1,0 - 4,0	1,1 - 6,0	1,3 - 9,7
Humidity removed	l/h	0,4	0,95	1,6
Air flow rate (EFSI)	m³/h (min)	276	300	480
	m³/h (med)	444	498	702
	m³/h (max)	594	630	852
♪♪ Pressione sonora (CFSI - CWI)	dB (A)	45	46	49
	W (nominal)	3400	4500	5700
Heating capacity	W (min - max)	900 - 5000	900 - 6000	900 - 7700
Energy Efficiency		A	A	A
COP *		4,36	3,66	3,61
Total input power	W (nominal)	780	1230	1580
	W (min - max)	200 - 1400	230 - 1730	260 - 2400
Total input current	A (nominal)	3,6	5,7	7,0
	A (min - max)	1,0 - 6,3	1,1 - 7,7	1,3 - 10,6
Air flow rate (EFSI)	m³/h (min)	342	366	582
	m³/h (med)	480	510	738
	m³/h (max)	612	660	888
♪♪ Sound pressure (CFSI - CWI)	dB (A)	46	47	52
	dB (A) (min)	22	23	33
♪ Sound pressure (EFSI)	dB (A) (med)	29	31	39
	dB (A) (max)	37	38	44
Lines max length	m (total)	20	20	30
Max level difference	m	7	7	10
Refrigerant connections	Ø liquid	1/4"	1/4"	1/4"
	Ø gas	3/8"	3/8"	1/2"

Electric power supply = 230V~ 50Hz

Performance values refer to the following conditions:

♪ = measured in anechoic chamber at 1.3 m from front, direction factor 4.

♪♪ = measured in anechoic chamber at 1m from front, direction factor 2.

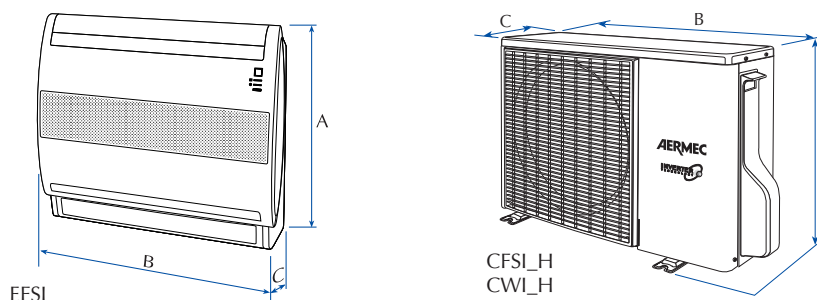
■ Cooling:

- room air temperature 27 °C D.B. , 19 °C W.B.
- ambient air temperature 35 °C
- maximum speed
- Refrigerant lines length 5m

■ Heating:

- room air temperature 20 °C
- ambient air temp. 7 °C D.B. , 6 °C W.B.
- maximum speed
- Refrigerant lines length 5m

Dimensions (mm)



		EFSI			CFSI	CFSI	CWI
		090 H	120 H	180 H	090 H	120 H	181 H
Height	A	670	670	670	540	540	540
Width	B	750	750	750	730	730	780
Depth	C	235	235	235	250	250	265
Weight	kg	17	17	17	33	33	37

The technical data in this document are not binding. Aermec S.p.A. reserves the right to make whatever modifications it deems necessary to improve the product at any time.

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